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TITLE: SMALL GAS CONCENTRATION
UNIFORMIZING APPARATUS FOR
MEASUREMENT METABOLISM BY
FLOW DIVIDING SYSTEM

PUBN-DATE: December 15, 1986

INVENTOR-INFORMATION:

NAME

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US-CL-CURRENT: 128/203.12, 128/205.24 , 128/207.15
, 600/532

DERWENT-ACC-NO: 1987-026562

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TITLE: Appts. for metabolic measurement in anaesthesia - includes by=pass pipes taking out samples of inhaled and exhaled air which are then mixed and sampled

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PRIORITY-DATA: 1985JP-0125291 (June 10, 1985)

PATENT-FAMILY:

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JP 90016148 B			

APPLICATION-DATA:

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JP 61284257A	N/A	1985JP-0125291	June 10, 1985
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ABSTRACTED-PUB-NO: JP 61284257A

BASIC-ABSTRACT:

Main passages (15), (17), (19), (21), (23) which connects between an anesthetising unit and a person (M) to be measured, and through which the exhalation and inspiration of the person (M) flow; bypass passages (39), (41), (43), (45) through which the exhalation and inspiration flow; and mixing chambers (13a), (13b) to sample unified gases. The bypass passages are provided on the way of the main passages to divide the flow in the main passages; and the mixing chambers are provided on the way of the bypass passages.

This device is used in detecting the concns. of gases necessary for metabolic measurement. To detect the concns. of exhalation and inspiration necessary for metabolic measurement, it is required to make the concn. of each gas uniform.

Front flexible tubes (15), (17) and rear flexible tubes (19), (21) are connected to the mixing chambers (13a), (13b). Exhalation gas passes through the tubes (15), (19) and inspiration gas through tubes (17), (21). That is, the mixing chambers are arranged on the way of the main passages. Bypass passages (39), (41) introduce exhalation gas or inspiration gas flowing through passages into the mixing chambers, and bypass

passages (43), (45) return the exhalation gas or inspiration gas in the mixing chambers into the passages.

Gases sampled from the mixing chambers are led to a gas analyser (25).

ADVANTAGE - The mixing chambers can be made compact.

CHOSEN-DRAWING: Dwg.1/10

DERWENT-CLASS: B04 B07 P34 S03 S05

CPI-CODES: B11-C04; B11-C08; B12-C01; B12-K04A;

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